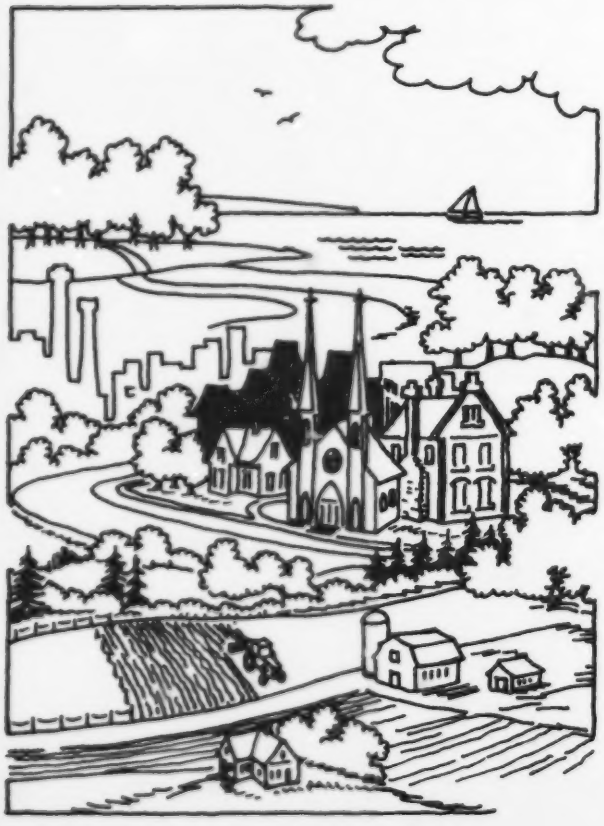
# Community & Cultural Affairs



## ANNUAL REPORT

## 1986

87-03517/

# ANNUAL REPORT

OF THE

# PRINCE EDWARD ISLAND DEPARTMENT OF COMMUNITY AND CULTURAL AFFAIRS

FOR THE YEAR ENDING DECEMBER 31

**1986**

**Gilbert R. Clements**
**Minister**

**Kenneth F. DesRoches**
**Deputy Minister**

**ISSN 0827-987X**

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Community & Cultural Affairs

Government of Prince Edward Island
P.O. Box 2000 Charlottetown C1A 7N8
11 Kent Street Tel. (902) 892-0311

The Honourable Lloyd G. MacPhail
Lieutenant Governor
Province of Prince Edward Island

May It Please Your Honour:

I have the honour to submit herewith the Annual Report on the activities of the Department of Community and Cultural Affairs for the period January 1, 1986 to December 31, 1986.

Your obedient servant,

Gilbert Clements

Gilbert Clements
Minister

# Community & Cultural Affairs

Government of Prince Edward Island
P.O. Box 2000 Charlottetown C1A 7N8
11 Kent Street Tel. (902) 892-0311

The Honourable Gilbert R. Clements
Minister
Department of Community and Cultural Affairs
Province of Prince Edward Island

Dear Sir:

It is my pleasure and honour to submit to you the Annual Report of the Department of Community and Cultural Affairs for the year ended December 31, 1986. Relevant details are presented in divisional reports.

A few highlights of the Department's activities were:

— A new policy for restructuring current provincial/municipal fiscal arrangements with a goal of attaining a fair and affordable municipal support program by 1990 was announced in December.

— Under the Environmental Servicing Assistance Program, 8 projects across the province were supported.

— Five municipalities carried out the process of new official plans and four municipalities carried out reviews of existing official plans.

— A departmental discussion paper on the **Planning Act** entitled, **"Land Use Planning for the Nineties'** was widely circulated among municipalities and interest groups to receive public input.

— The Department co-ordinated a two hour show reflecting our Island's cultural life as part of Prince Edward Island's "Special Day Activities" at EXPO '86 in Vancouver on Monday, September 22, 1986.

— The hosting of the annual conference of Federal/Provincial/Territorial Ministers of Sport and Recreation highlighted fitness, sport and recreation activities during the year.

— In November the Department obtained the support of the Maritime Training and Development Board to assist in the development of a training program for volunteer firefighters.

— Due to strong construction activity during 1986, a substantial increase in services offered by the inspection staff was experienced. During the year, staff processed 1,406 building permits, 940 sewage disposal system permits, and carried out 3,268 inspections, the highest level on record.

— A five year plan was signed with Emergency Preparedness Canada which will assist the development and maintenance of strategies for provincial emergency preparedness and disaster response throughout the province.

— A unique wastewater treatment facility at Cavendish Farms in New Annan was brought on line and is expected to properly treat all the wastewater with the by-product methane gas being used to supply some of the electrical demand at the processing plant.

— A study to evaluate the cost and availability of fine aggregate from different sources for use by the concrete industry in P.E.I. was completed in March.

— The province adopted a new policy and program for the management of leaking underground petroleum storage tanks on September 1, 1986, the first province in the country to take such action.

— A new control structure with fishway and draw-down facility was constructed at the old Millar's Pond site on the Wilmot River at Kelvin.

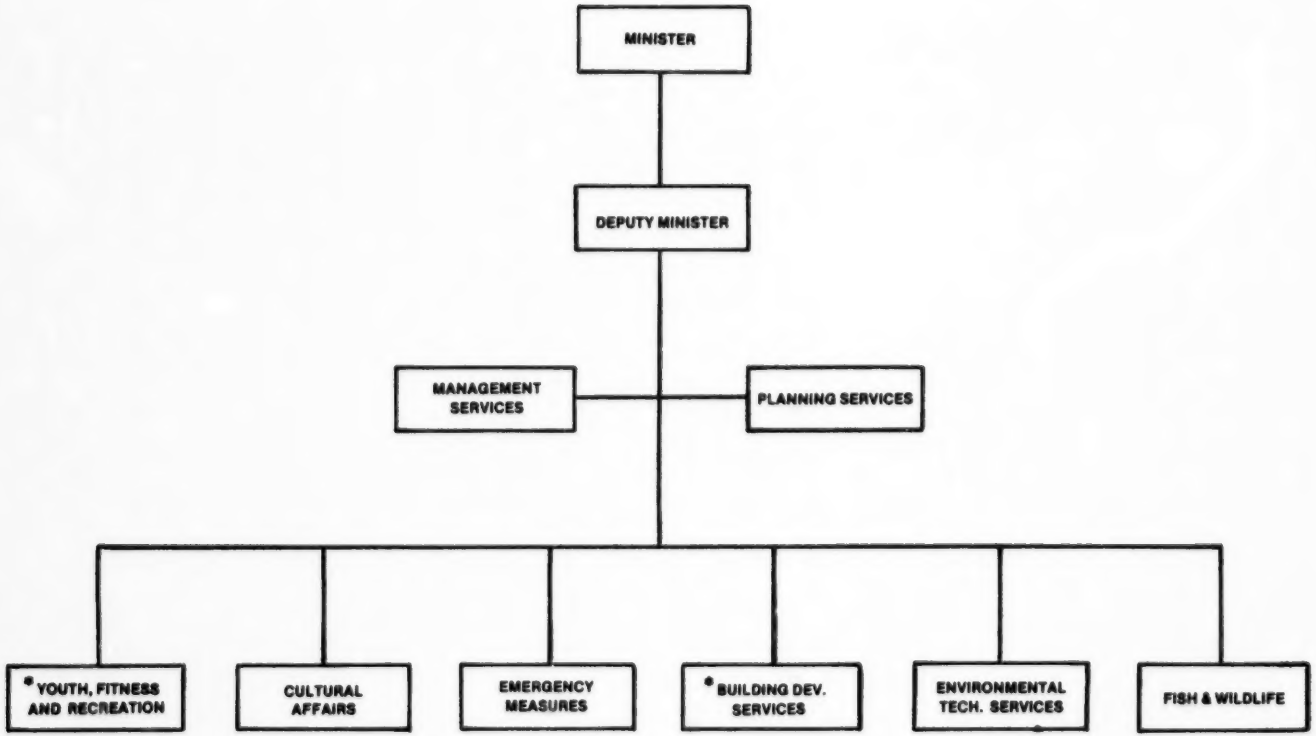
— A five year project with funding support from Wildlife Habitat Canada dealing with total habitat improvement was initiated in the Montague River watershed.

— Discussions proceeded on the feasibility of P.E.I. hosting the Canada Winter Games in 1991.

The Department has been extremely busy in pursuing the diverse areas of its mandate. The support and co-operation of the Department's staff and the many external agencies to which the Department relates is acknowledged with appreciation.

Respectfully submitted,

Kenneth F. DesRoches
Deputy Minister




* Field staff located in Regional Services Centres

## MANAGEMENT SERVICES DIVISION

Management Services Division is responsible for the financial, personnel and computer operations of the Department.

Financial Services include preparing of the annual budget, maintaining budget control and processing/authorizing of all payments for goods, services and grants made by the Department.

Personnel services include all aspects of personnel administration within the Department. This includes participation in the recruitment and selection of employees, maintenance of personnel records, administration of the **Civil Service Act and Regulations,** administration of the collective agreement between the Province of P.E.I. and the P.E.I. Union of Public Sector Employees and the provision of information to staff on personnel issues.

Computer services include the co-ordination of computer systems in the development and implementation of applications to be computerized. A Computer Committee has been formed to plan and monitor the development of computer technology within the Department and to provide representation for each division.

### FINANCIAL SUMMARY
### COMMUNITY & CULTURAL AFFAIRS
### REVENUE AND EXPENDITURES
### (For the year ended 31 March 1986)

### EXPENDITURES

| | | |
|---|---|---|
| GENERAL ADMINISTRATION | | 359,170 |
| PLANNING SERVICES | | |
| Administration | 473,575 | |
| Community Planning | 24,581 | 498,338 |
| YOUTH, FITNESS & RECREATION | | 791,783 |
| MUNICIPAL SUPPORT | | 3,922,488 |
| CULTURAL AFFAIRS | | |
| Administration & Grants | 1,184,625 | |
| P.E.I. Museum & Heritage Foundation | 491,453 | |
| Museum Training Study | 4,000 | |
| Canadian Heritage Festival | 266,748 | 1,946,826 |
| BUILDING & DEVELOPMENT | | |
| Administration | 952,450 | |
| Derelict Cars/Dilapidated Buildings | 91,624 | 1,044,074 |
| ENVIRONMENTAL & TECHNICAL SERVICES | | |
| Administration | 409,910 | |
| Provincial Solid Waste | 828,263 | |
| Community Dumps | 135,929 | |
| Marine Environment | 51,660 | |
| Water Resources | 220,572 | |
| Community Services Lab. | 120,076 | 1,766,410 |

| | | |
|---|---|---|
| FISH & WILDLIFE | | |
| Administration | 487,205 | |
| Land Acquisition | 12,500 | |
| Fisheries | 4,497 | |
| Upland Game | 7,418 | |
| Waterfowl and Furbearers | 6,211 | |
| Hunter Safety | 9112 | 526,943 |
| EMERGENCY MEASURES ORGANIZATION | | |
| Administration | 36,228 | |
| Joint Emergency Planning Programs | 43,644 | 79,872 |
| TOTAL EXPENDITURES | $10,971,904 | |

## REVENUE

| | | |
|---|---|---|
| ADMINISTRATION | | 497 |
| CULTURAL AFFAIRS | | |
| Museum Training Study | 1,000 | |
| Canadian Heritage Festival | 234,581 | 235,581 |
| BUILDING & DEVELOPMENT | | |
| Inspection Fees | 87,267 | |
| Derelict Cars | 28,017 | |
| Other | 863 | 116,147 |
| ENVIRONMENTAL & TECHNICAL SERVICES | | |
| Utility Operations | 8,714 | |
| Sandmining | 1,458 | |
| Other | 4 | 10,176 |
| FISH & WILDLIFE | | |
| Fish & Game Licenses | 113,190 | |
| Other | 386 | 113,576 |
| EMERGENCY MEASURES ORGANIZATION | | |
| Joint Emergency Planning Program | | 22,342 |
| TOTAL REVENUE | | $498,319 |

## PLANNING SERVICES UNIT

The unit provides leadership and direction for the Department's efforts in policy and program development and in program and activity evaluation. The unit also contains a number of special service functions relative to municipal relations, community and regional planning, and environmental research, information and advice.

### Municipal Affairs Section

Provincial/municipal relations was a major area of activity of the Department during 1986. On December 8, the Department announced the introduction of a new municipal grants formula in a policy paper titled **Towards a Fair and Affordable Program of Municipal Grants.**

When fully implemented in 1990, this new formula will have four components:

1) compensation for municipalities that maintain local streets;
2) compensation for municipalities that provide policing;
3) an equalized assessment grant; and
4) a Community Recreation Support Program.

The purpose of the equalized assessment grant component is to give all municipalities in the province access to an average municipal tax base. Municipalities with tax bases less than average will receive assistance equal to the revenue that they would realize if they were taxing an average base at their current non-commercial rate.

Over the next three years (1987-89) all grants will be distributed on the basis of a transition schedule which is intended to move municipalities from their current grant to their projected grant under the new policy.

This new policy has several advantages:

- It will provide direct compensation to municipalities that provide their own street maintenance and policing.
- Rather than being tied to expenditures, as was formerly the case, the new formula considers the ability of each municipality to generate revenue.
- The formula provides an incentive for communities to consider "town" status and should encourage greater co-operation in delivery of services.
- The equalized assessment component will assist deficient tax bases by bringing all up to the municipal average.
- The policy does not require municipalities to assume any additional service responsibilities.

While a redistribution of grant funds will occur, overall provincial support for municipalities under this new policy will be maintained at its current level of $3.7m annually.

The incorporation of York and Winsloe South as communities under the provisions of **Municipalities Act** brings the number of incorporated municipalities in the province to 88, comprising 1 city, 8 towns and 79 communities. There are 85,000 islanders now served by locally elected councils.

Other highlights of the past year include the completion of 8 projects under the Environmental Servicing Assistance Program (ESAP). Funding for the projects is cost shared on a 70/30 basis with 70% being supplied by the Province and 30% by the Community:

| MUNICIPALITY | PROJECT | COST | 70% ESAP |
|---|---|---|---|
| North River | Phase 1 Central Sewer | $475,000 | $332,500 |
| East Royalty | Lagoon site developed | 47,500 | 33,250 |
| St. Eleanors | New water well | 71,250 | 49,875 |
| St. Peters | Phase II central sewer | 71,250 | 49,875 |
| Abram's Village | Phase II central sewer | 95,000 | 66,500 |
| Sherwood | Sewer and water extensions | 118,750 | 83,125 |
| Cornwall | Lagoon expansion | 40,850 | 28,595 |
| Kensington | Water extension | 38,000 | 26,000 |

These projects will greatly improve services for residents in these municipalities while enhancing their attractiveness for new development.

On another front, in November the Department obtained the support of the Maritime Municipal Training and Development Board to assist in the development of a training program for volunteer firefighters. A steering committee will be established with representation from key agencies in the new year to commence work on this important project.

Finally, the division wishes to recognize the contribution of Mr. Joe Coady who recently left his position with the Federation of P.E.I. Municipalities. During his tenure with the Federation Mr. Coady provided member municipalities with excellent advice and representation. Best of luck to him in his new duties in Sherwood and to his successor. The Department believes in the value of a strong municipal organization and looks forward to the continuation of its excellent working relationship with the Federation in 1987.

**Community Planning Section**

The Community Planning program has functioned for a number of years with a three-fold emphasis. The major functions include the review and preparation of provincial statutes, regulations, and policies for planning; the provision of technical and professional planning assistance to municipalities on request; and assistance in planning to community organizations and government field staff where applicable.

In 1986, the services of the Community Planning Section were sought in a variety of provincial land use policy planning, municipal planning, regional planning, and development project planning activities. These came about through the work of municipal councils, planning boards, and government field staff, as well as locally organized groups. Much of the work is aimed at local improvements to the living environment and economic health of the community.

Procedures governing many of the activities of the section are set out in the **Municipalities Act** and the **Planning Act.** Following is a brief description of the highlights among those activities:

**Kings County**

**Eastern Kings** — Scenic preservation and conservation zones have been implemented at North Lake, South Lake, and Basin Head.

**Georgetown** — An area planning project for the town and surrounding region was initiated, preliminary plans for the development of a small golf course in the town were prepared.

**Souris** — Preliminary plans for a civic building near the present town hall and courthouse were prepared.

**Montague** — Concept planning fo the expansion of recreation facilities at the Iceland arena site was initiated and further phases of developing the town's baseball and softball sports facilities have continued.

**Queen's County**

**Belfast** — Plans for further tourist development at Lord Selkirk Park were prepared.

**Keppock-Kinlock, Warren Grove and North Shore** — Official Plans were completed and implemented in these communities.

**Sherwood, Miltonvale Park, East Royalty, Winsloe, North River** and **Charlottetown** — These communities nave either initiated or completed a review of their Official Plans.

**Parkdale** — A plan for commercial redevelopment of the St. Avards area was adopted.

**Charlottetown Area** — The Community Planning Section carried out a survey of development trends in the Charlottetown area for the Department of Education.

**Prince County**

**Wellington** — The Community completed an official plan and participated with its industrial commission in planning a retail mall for the centre of the community.

**O'Leary and Sherbrooke** — An official plan was prepared.

**Wilmot** — A review of its official plan was completed.

**Tignish** — The first stage of a review of its official plan was carried out.

**Mill River** — The Theme Park facility is planning expansion under the sponsorship of the area industrial commission.

**Mont Carmel** — Le Village Pionnier Acadien has made plans for waterfront and beach improvements, and has initiated planning for the remainder of its tourist facilities.

**Kinkora** — Renovations were carried out at its old school buildings for residential and commercial uses.

**Summerside** — Through its waterfront development agency, it has initiated concept plans for lands between the town and the golf course.

**Borden** — Renovation of the old Abegweit Hotel for residential and commercial use was begun.

In addition to the above highlighted activities, approximately 130 community, residential, recreational, and economic development tasks were carried out with municipalities and other groups throughout the province. At the same time, technical and professional support was given to the Summerside and Charlottetown Area Regional Planning Boards.

Plan and preparation and implementation programs in municipalities were assisted by staff. Both technical and professional services were provided on request. Through this arrangement, planning boards were able to carry out the tasks assigned by their respective councils. The following table summarizes the current planning status of municipalities which have established planning programs under the provison of the **Planning Act** as of December 31, 1986:

| MUNICIPALITY | STATUS |
|---|---|
| Charlottetown | Master Plan and Bylaws (review stage) |
| Summerside | Development Bylaws |
| Greater Charlottetown Environmental District | Official Plan and Regulations (review stage) |
| Alberton | Official Plan and Bylaws |
| Alexandra | Official Plan and Bylaws |
| Brackley | Official Plan (in progress) |
| Brudenell | Official Plan and Bylaws (review stage) |
| Bunbury | Official Plan and Bylaws |
| Cornwall | Official Plan and Bylaws |
| Cross Roads | Official Plan and Bylaws |
| East Royalty | Official Plan and Bylaws (review stage) |
| Eastern Kings | Official Plan and Bylaws |
| Georgetown | Plan and Development Bylaws (review stage) |
| Kensington | Development Bylaws |
| Keppoch-Kinlock | Official Plan and Bylaws |
| Kinkora | Official Plan and Bylaws |
| Linkletter | Official Plan and Regulations |
| Lower Montague | Official Plan and Regulations (review stage) |
| Miltonvale Park | Official Plan and Bylaws (review stage) |
| Montague | Development Bylaws |
| New Haven-Riverdale | Official Plan and Bylaws |
| North River | Official Plan and Bylaws (review stage) |
| North Shore | Official Plan (in progress) |
| O'Leary | Official Plan (in progress) |
| Parkdale | Official Plan and Bylaws (review stage) |
| St. Eleanors | Official Plan and Bylaws |
| Sherbrooke | Official Plan (in progress) |
| Sherwood | Official Plan and Bylaws |

| | |
|---|---|
| Souris | Development Bylaws |
| Souris West | Official Plan (in progress) |
| Southport | Official Plan and Bylaws |
| Tignish | Official Plan and Bylaws (review stage) |
| Union Road | Official Plan (in progress) |
| Warren Grove | Official Plan and Bylaws |
| Wellington | Official Plan (in progress) |
| West Royalty | Official Plan and Bylaws |
| Wilmot | Official Plan and Bylaws (review stage) |
| Winsloe | Official Plan and Bylaws (review stage) |

Provincial Planning activity has involved several major projects. The first of these, as carried over from a previous review of the **Planning Act** was the preparation of a discussion paper on the Act, entitled "Land Use Planning for the Nineties". The paper was widely circulated among municipalities and interest groups. Following this, area workshops were held to discuss the **Planning Act**, and to receive public input. A study of the volunteer firefighting system in the province has also commenced.

Preliminary plans have been made to examine the province's special planning area designations under the **Planning Act.**

Amendments to the **Planning Act** during the 1986 session of the Legislature required all authorities issuing permits for commercial, industrial, and large scale intensive livestock operations to give notice by advertisement. In addition to the above provision, the appeal period was shortened to thirty days. The enablement for authorities to prescribe permit fees and to designate scenic heritage public roads was also introduced.

## Regional Planning Section

Regional Planning in the province is carried out through the Charlottetown and Summerside Area Regional Planning Boards. Each board is a voluntary organization formed by the respective municipalities in 1974, under the **Planning Act** to provide a forum and mechanism for addressing and resolving regional issues and problems and realizing opportunities. The boards are made up of persons appointed by the member municipalities in addition to which each has ex officio representation from their respective Chamber of Commerce. In addition, in the Charlottetown area, the Charlottetown Area Regional Planning Board has ex officio representation from the Charlottetown Area Development Corporation (CADC).

The Charlottetown Board's membership represents twelve municipalities while the Summerside Board represents four. As in past years, each board provided its own overhead and part-time secretarial service, while the Department provides the board's professional and technical requirements on a part-time and project basis. Each board meets once per month to discuss a variety of projects and plans.

In October, the Minister of the Department, in a speech to the Federation of P.E.I. Municipalities, released, for discussion purposes, a draft discussion paper and legislation leading towards a new **Planning Act.** The Regional Planning Boards devoted a good deal of time to discussing the implications of the regional planning part of the discussion documents.

## Charlottetown Area Regional Planning Board (CARPB)

In addition to its other responsibilities, the CARPB is also the planning board for the Greater Charlottetown Environmental District (GCED). In this capacity, it implements the GCED plan and administers the regulations prescribed under the plan and **GCED ACT.** With assistance from the Department, the Board processed eight applications for proposed developments within the district. In addition, through two Federal Development Programs projects, the Board continued to make improvements to streams and streambanks. These projects, with a budget of approximately $140,000, have enabled the Board to complete approximately 24 miles of improvements over the past several years.

Progress continued to be made in the implementation of the 1979 Regional Transportation Plan. During the year, the Department of Transportation and Public Works contracted to complete the section of perimeter arterial between St. Peters Road and Oak Avenue in the Community of Sherwood. Meetings were also held with the Minister of that Department respecting future progress on the perimeter road.

The Board continued its active involvement in landfill operations. It's activites, in this regard, included partial administration of the regional landfill agreement amongst the Province, the Board and the Community of Miltonvale Park, assistance to the Community of Miltonvale Park in establishing a community park and pasture facilities and, through CADC, examining alternatives to redevelop the former East Royalty Landfill Site.

In co-operation with the Community Planning Section, a review of the City of Charlottetown Plan was completed. This plan will be considered for adoption by the City Council in early 1987.

The Board continued to provide advisory assistance to the steering committee for the 1991 Canada Winter Games. During the year, the Board also accepted an invitation to join the Airport Consultative Committee chaired by Transport Canada.

## Summerside Area Regional Planning Board (SARPB)

A proposed regional plan for the Summerside Area was redrafted and discussions continued amongst the municipalities with respect to adoption of the plan. The Board continued to examine regional problems related to water supply and servicing including engaging consultants to undertake the preliminary engineering for partial servicing of the North Slope in the Community of Sherbrooke.

Following meetings, jointly with the Greater Summerside Chamber of Commerce, with the Department of Transportation and Public Works, reconstruction of the Red Bridge in Wilmot was undertaken.

The Board provided assistance to the Summerside Waterfront Development Corporation, the Town of Summerside and the Community of St. Eleanors in moving towards the development of a feasibility plan for a major tourism complex in the region.

In co-operation with the Department of Industry, the Board established a five person committee to prepare a draft economic development strategy for the region. In addition, the Board participated in the planning committee for a land and water conservation conference which was held in Summerside in November.

**Research And Information**

This section provides for, or assists in, the development and dissemination of information and education materials relative to the Department's responsibilities in an effort to heighten an awareness of individuals towards their community and the environment. As well, support services in the form of policy planning and developing alternatives, programs, strategies are provided to divisions of the Department as required.

During the year, specific emphasis was placed on the development of a filmstrip program on wildlife of the Island. It is expected that this production will be made available to schools during Wildlife '87 year.

Through the Committee of Atlantic Environment Ministers, work progressed on the completion of an acid rain filmstrip, PCB fact sheets, an elementary school kit on the environment and a fact sheet on perchlorethylene.

The Department continues to receive numerous requests for information. Many of the requests can be responded to through general interest publications, while others require considerable research and more detailed replies.

During the year, activity in the area of hazardous waste management increased, as well as public attention to the problem. The province participated in a number of national and regional committees and workshops in an attempt to jointly resolve some of the problems associated with hazardous wastes.

A number of position papers and reports were also prepared for national hearings, studies, and workshops on such topics as hazardous wastes, toxic substances, acid precipitation and solid waste.

The Department continued to provide the co-ordinating role for the Environment Week activities. This year's activities included, Arbor Day celebrations, guided walks, special lectures, film night and the Annual Roadside Cleanup.

## CULTURAL AFFAIRS DIVISION

This division is responsible for the promotion and support of the many aspects of Island culture such as Heritage and Museums, the Arts, Community Education, and Cultural Industries, through policy and program development, financial and professional assistance, and special resource services in the area of Island Studies.

### Heritage and Museums

The Prince Edward Island Museum and Heritage Foundation is the provincial agency responsible for museum and historical resource development, including the administration of four major branch museums and a broad range of other public programs and services. The Department continued to provide upwards of 90% of the Museum and Heritage Foundation's annual operating budget, the balance coming from endowment revenues, memberships, book sales, and federal cultural agency grants.

During 1986, the Board of Governors of the Museum reviewed the recommendations contained in the Lemieux Report, a recent consultant's study on the future of the organization, and began the development of an action plan. Visitation statistics at all branch museum sites increased significantly in 1986, as the following table indicates:

| | 1984 | 1985 | 1986 |
|---|---|---|---|
| EPTEK CENTRE (Summerside) | 18,613 | 17,070 | 22,265 |
| BEACONSFIELD (Charlottetown) | 1,951 | 2,568 | 2,301 |
| ORWELL CORNER | 5,580 | 7,718 | 9,200 |
| GREEN PARK | 5,197 | 5,693 | 7,508 |
| BASIN HEAD | 6,527 | 6,943 | 8,650 |
| TOTAL | 37,868 | 39,992 | 49,924 |

At the local level in 1986, the Department once again provided the Community Heritage Federation with an operating grant, and helped secure National Museums of Canada funding for the establishment of the first province-wide museums training program. The Community Heritage Federation was formed in 1983 and represents smaller community museums and historical societies across Prince Edward Island.

### The Arts

The P.E.I. Council of the Arts, the provincial arts granting agency funded by the Department, awarded grants to individuals and groups in 1986 totalling $64,000. Organizational grants went to a wide variety of groups including the Great George Street Gallery, Victoria Playhouse, the P.E.I. Music Festival, the P.E.I. Ballet Association, the P.E.I. Symphony Society, and the Irish Folk Festival.

Early in 1986, the Arts Council moved into new administrative space located within the historic Province House Annex at the head of Charlottetown's Great George Street. The Building was refurbished by the Council with the aid of the provincial Department of Public Works and a special $73,000 capital grant from the federal Department of Communications.

Regional arts councils continued to play a vital part in promoting and developing arts activities throughout the province. At present, there are 6 regional councils, all of whom were financially assisted by the Department in 1986.

In other program activity, the Department assisted 38 students under the "Art Education Bursary Program" in 1986, enabling talented young Islanders to pursue advanced study in the performing and visual arts.

Island Community Theatre, a provincial theatre development agency core-funded by the Department and UPEI, enjoyed another successful year. Undoubtedly, the highlight was an original stage production called "The Venerables", which poignantly and humorously dealt with the problems and joys of growing old. Acclaimed by audiences both on and off the Island, "The Venerables" under the direction of Ron Irving will be presented in New York early in 1987.

### Festivals and Special Events

The Department was extremely active again in 1986 co-ordinating provincial involvement in a number of major festivals and special events, including the annual "Festival By the Sea" in Saint John, New Brunswick, and the "Canadian Heritage Festival" in Vancouver, British Columbia. In addition, Cultural Affairs arranged international participation by the Irish Embassy in the local Irish Folk Festival, and helped arrange an extended Japanese tour of the Wayne Barrett photography exhibition "Spirit of Place", together with the Department of Tourism and the federal Department of External Affairs.

However, by far the most ambitious special events project for the Department in 1986 was the planning and co-ordination of Prince Edward Island's "Special Day Activities" at EXPO '86 in Vancouver on Monday, September 22. A professionally-produced stage show featuring the folkloric groups "Clay Potato" and members of the Charlottetown Festival's "Anne of Green Gables" cast, together with colourful official ceremonies, marked the province's participation in the world's fair.

### Community Education

The Department continued to core-fund the P.E.I. Association of Community Schools in 1986. This unique community-focused volunteer program offers a wide range of informally-presented courses, from local history to guitar instruction, as well as many other subjects.

The Association receives an annual operating grant from the Department which enables it to employ a co-ordinator and to sponsor workshops.

### Cultural Industries

It is now accepted that the Arts have an economic as well as a cultural impact. The Department, together with the Department of Industry, attempts to promote the development and marketing of cultural products (books, films, sound recordings, etc.) through its "Cultural Product Development Fund". In 1986, grants totalling $40,000 were made to Island cultural businesses, for the development of such products as a French language edition of the book "Anne of Green Gables", a taped walking tour of old Charlottetown, a film about Island Standardbred Harness Racing, and the development of original Acadian dinner theatre at Le Village Pionnier.

## YOUTH, FITNESS & RECREATION DIVISION

The Division encourages and promotes the adoption of a healthy lifestyle and the wise use of leisure time by all residents of the province. In an attempt to ensure that adequate opportunities are provided towards these ends, financial assistance, consultative and other resource services are provided to approximately 150 voluntary community, and provincial youth, fitness, amateur sport and recreation agencies and organizations. Such services are provided to assist these volunteer groups to carry out adequate program planning and development.

In consideration of the difficulties associated with operating recreation facilities and in staging special community events, the Division makes available consultative services for facilities management and special community events.

### Recreation

Seventeen (17) communities received professional recreation leadership grants to assist in the employment of professionals in the recreation field. During the year the communities of Charlottetown and Sherwood appointed new municipal recreation directors in the persons of Phil Handrahan and Susan Fraser. Charlie Ryan retired after twenty years as Director of Recreation for the City of Charlottetown.

Communities also received funding in the form of program grants to help subsidize their community recreation programs.

The Division co-operated with the Prince Edward Island Recreation Association in staging the first Community Recreation Awareness Week (CRAW) which was co-sponsored by the P.E.I. Recreation Association, Seaman's Beverages and the Division. Also, the Division, in co-operation with the P.E.I. Recreation Association, sponsored and participated in the annual workshop for professionals in the recreational field. The workshop was held at Holland College and focused on effective communication and professionalism.

A number of other leadership development opportunities were provided at the local and regional levels for both volunteers and professional recreationalists on such topics as fitness and programming. Senior Citizens Days were held at the Mill River and Brudenell Tourist Resorts.

### Youth

Allied Youth continued to be an active program at the local, regional and provincial levels. There are approximately forty Senior and Junior Allied Youth Posts in schools and communities across the province.

Provincial Allied Youth Conferences were held in May at the University of Prince Edward Island with 200 in attendance for the Junior Conference and 100 in attendance for the Senior Conference. At the Senior Conference, Barb Ramsay of Northam was elected Provincial President and Kellie Wilkie of Sherwood was elected International Representative.

Ellerslie Allied Youth Post was awarded for the best International Allied Youth Post at the International Conference in Ottawa. Grace Kelly of Morell was P.E.I.'s representative on the International Allied Youth Exchange Program to Texas. Sr. Ann Broderick was named the International Allied Youth Advisor for the year.

The Peer Education Program continues to be strong across the province as Grade 11 and 12 students continue to instruct their peers in Grade 8 in drug education and Grade 7 in alcohol education. As well, peer counselling training was started in various regions of the province as a component of the Senior Allied Youth Program. Students are trained to counsel their peers with problems and concerns, throughout the school year.

The Division continued to relate closely with various other youth agencies and organizations during the year, including the Red Cross, Y.M.C.A., Student Councils, Boys and Girls Clubs, Boy Scouts, Girl Guides, and the Duke of Edinburgh Awards Program.

### Fitness

The Division continued to provide a promotional, co-operative and supportive role in the area of fitness through the dissemination of resource information, professional presentations, and the provincial co-ordination of a number of national fitness programs on awards, accreditation and participation.

The Corporate Challenge and the National Physical Activity Week were two events co-ordinated by the Division. These promoted participation in physical activity and provided an opportunity for residents across the province to participate in a physical activity. An estimated 20,000 Islanders participated in these activities.

The Provincial Fitness Leaders Committee, the Y.M.C.A. and the Division co-operated during the year in conducting Fitness Leadership Workshops and discussions were held regarding provincial accreditation programs for fitness leaders.

The province participated in both the National Youth Fitness Symposium and the Canadian Fitness Summit in Ottawa.

### Special Events

The hosting of the Provincial/Territorial Ministers of Sport and Recreation Conference and the Interprovincial Sport and Recreation Council's annual meeting highlighted the fitness, sport and recreation activities during the year.

The Division assisted in the staging of 40 special events held in communities across the province involving 1,000 volunteers. Considerable revenue to assist community recreation programs was generated as a result of these efforts.

### Amateur Sport

The provincial contingent to the 1987 Canada Winter Games in Cape Breton, Nova Scotia, continued preparations under the guidance of Chef-de-Mission, Brian McFeely, and his mission staff.

The steering committee, struck the previous year and representative of a number of municipalities and other organizations interested in hosting the 1991 Canada Winter Games, completed its task under the chairmanship of the Deputy Minister of Community and Cultural Affairs. The private consulting firm engaged to carry out a feasibility study regarding the hosting of such an event completed its study which recommended that the province submit a bid to host the 1991 Canada Winter Games.

During the year provincial sport governing bodies were provided financial assistance and consultative services. Assistance was also provided to sport groups hosting provincial, regional and national events. The National Coaching Certification Program continued to provide a mechanism for the training and upgrading of those involved as coaches in amateur sport. As well a number of officiating clinics and workshops were supported in co-operation with various sport governing bodies.

A number of outstanding athletes in the province were provided financial assistance through the Atlantic Athlete Assistance Program of the Federal Government's Department of Fitness and Amateur Sport and through the provincial Elite Athlete Assistance Program.

A sport highlight of the year was the hosting of the Canadian National Senior Men's Softball Championship by the Town of Summerside. P.E.I.'s entry finished in a very commendable fourth place.

The Division's Executive Director, Dr. David Boswell, was appointed as an Assistant General Team Manager for the Canadian Team to the Commonwealth Games in Edinburgh, Scotland.

Leadership

The Skills Program for Management Volunteers was continued in the province with Master Trainers and Trainers being selected and trained in the topics of time management, marketing, financial management and long and short term planning. A number of courses were held in the various regions of the province. The Master Trainers were selected for the final two topics of the Skills Program. These topics were leadership and group dynamics, and volunteers.

## BUILDING AND DEVELOPMENT SERVICES DIVISION

The Division provides technical, advisory and inspection services at the regional level. From time to time, staff meetings and training sessions have been held to maintain continuity in the administration of programs and to improve the services to both the consumer and the building industry.

The Fire Marshal's office continued to play a major role in the activities of the Division. A study of the programs now provided was initiated with the view of improving the services offered by this office. This will involve public meetings and input from existing fire companies in order to provide an efficient service which serves the needs of the province. During the year, loss of property measured in dollars has increased considerably. Although the number of fatalities has increased over the previous year it is not possible to attribute this to any particular problem or cause.

An increase in building and development activities was experienced. This factor, combined with ever-improving consumer awareness about the problems associated with substandard building and development practices, has led to increased demands on staff for technical, advisory and inspection services. Division staff are confident that the improved consumer awareness is the gradual result of the educational approach applied by the Division in recent years in the administration of its programs and services.

In November, 1986, the Executive Council approved increases in inspection fees for electrical, elevator, lightning rod and plumbing installations. These increases were implemented to help offset the costs of the inspection service.

The Division continued to provide statistical data on development. Also, in accordance with an amendment to the **Planning Act,** the Division provides weekly newspaper advertisments of building permits issued for commercial construction. This affords those aggrieved by the issuance of a permit the opportunity to appeal the decision to the Land Use Commission.

### Subdivision Development Section

In 1986, the section received and filed a total of 427 subdivisions. Of these, 133 subdivisions containing 301 lots were granted final approval and 189 others were filed for single family dwelling or mobile home use. The Department denied 3 applications, 2 were cancelled by the applicants, and 100 others were either approved in principle or are still pending for a variety of reasons.

The following is a breakdown, according to use, of the number of lots created by the 133 final approvals:

| | |
|---|---|
| single family dwelling (including mobile home used as single family dwelling) | 100 |
| summer cottage | 179 |
| commercial | 14 |
| miscellaneous | 8 |
| **TOTAL** | **301** |

The number of applications filed this year represents an increase of about 24% over the 1985 figures, with a corresponding increase in site inspections, consultation with other departments and agencies, and preparation of design concepts for individual applicants. It should be noted that among the 100 applications, still pending are several large scale proposals for which approval in principle has already been given, or is likely to be; therefore, the total number of approved lots ultimately resulting from the 1986 applications will eventually be larger than the figures listed above.

The activity of 1986 also included an increase in the number of community councils making use of the section's technical advice and assistance in handling proposals in order to enforce their own official plans and zoning and subdivision control bylaws.

The **New Highway Advertisements Regulations** were approved March 20, 1986, with a number of significant changes which reflect the wishes of the tourism industry. The most major change introduced strictly limits the number of directional advertisements permitted along the public highways.

**Property Development Section**

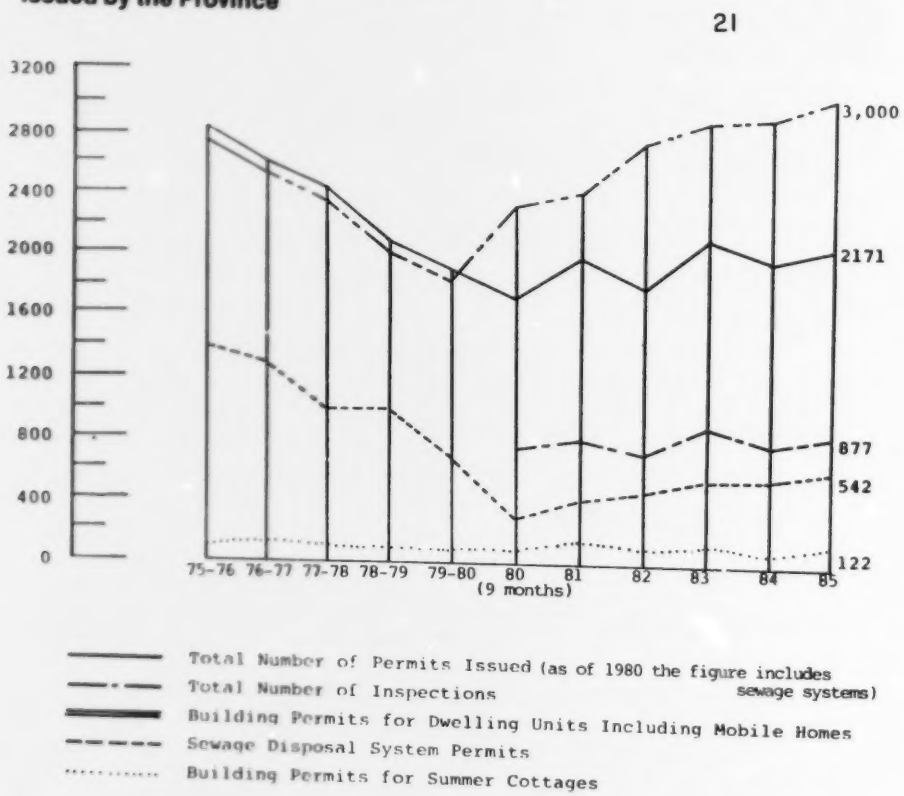
This section administers the **Planning Act Regulations** as they apply to building and the development of individual parcels of land. Inherent to the provision of these regulations is the responsibility for involving other regulatory authorities, as may be requested, in the development process. In addition, the Property Development Officers provide administrative support and inspection services to some communities which have adopted official plans and development bylaws.

The section is also responsible for administration of the **Environmental Protection Act Sewage Disposal Regulations.** This service extends to assisting property owners to resolve problems with malfunctioning sewage disposal systems.

Although the section's workload in 1985 was at the highest level on record, a further increase has been experienced in this past year. In 1986, staff processed 1406 building permits, 940 sewage disposal system permits and carried out approximately 3268 inspections. In addition, a substantial amount of time was spent by staff in case preparation and presentation defending the Department's decisions at 13 public appeal hearings held before the P.E.I. Land Use Commission.

Also during the year, staff have been busy establishing a better working arrangement with community councils who issue development permits where municipal sewer systems are unavailable. The objective of this effort is to prevent problems for the consumer and the community by ensuring that site development plans include the necessary provisions to permit the installation of at least minimum standard on-site sewage disposal systems.

**Building Permits, By Major Categories, Issued by the Province**




## Electrical, Elevator and Plumbing Section

Due to the strong construction activity during 1986, electrical permits for residential installations were higher than the previous year and over 9000 electrical inspections were carried out. The plumbing inspection staff carried out over 3000 inspections during the year.

In November, the 1985 edition of the Elevator Safety Code and the 1985 edition of the Canadian Plumbing Code were adopted by Order-in-Council.

In addition to the inspections noted above, approximately 1000 inspections were conducted on elevating devices, amusement rides, lightning rods and specialized electrical equipment.

The following are the relevant statistics of the Electrical, Elevator and Plumbing Section:

**Electrical Activities**

| | |
|---|---|
| Inspections | |
| Applications of Inspection (province wide) | 5005 |
| Connection Permits Issued | 3218 |
| Fees Collected | $61,595 |
| Licences Issued Annually | |
| Electrical Contractors | 199 |
| Journeyman | 309 |
| Apprentices | 44 |
| Special | 20 |

Examinations (Qualifying Examinations for Electrical Contractors)

| Date of Examination | No. of Contestants | No. Qualifying |
|---|---|---|
| January, 1986 | 6 | 3 |
| June, 1986 | 2 | 2 |

**Elevator Activities**

| | |
|---|---|
| New Installations | 8 |
| Existing Installations | 180 |
| Fees Collected | $4,981 |

**Lightning Rod Activities**

| | |
|---|---|
| Inspections | |
| Applications received for Lightning Rod Inspections | 30 |
| Licenses Issued | |
| Lightning Rod Manufacturers | 2 |
| Agents and Installers | 5 |

**Plumbing Activities (province-wide)**

| | |
|---|---|
| Permits Issued | 916 |
| Fees Collected | $14,500 |

**Fire Marshal's Office**

During the past year, 65 volunteer firefighters attended the Level II Fire Fighting Training Program at the Training School in West Royalty. Several one-day specialized training sessions were also held in a variety of locations.

During the month of May, the province experienced the most severe forest fires to occur for some time. Several hundred acres of woodland were destroyed before being brought under control by a significant number of fire departments.

Departmental staff is presently engaged in a study of the P.E.I. Fire Services. The result of this study should be available early in the spring of 1987.

Following are relevant statistics from the Fire Marshal's office:

| | 1985 | 1986 |
|---|---|---|
| Total number of building inspections | 1800 | 1760 |
| Total number of fire investigations | 63 | 82 |
| Building plans reviewed | 78 | 128 |
| Number of fires of incendiary nature (excluding vehicles) | 32 | 38 |
| Total number of deaths | 0 | 10 |
| Total number of fires recorded | 620 | 590 |
| Total number of motor vehicle fires | 87 | 53 |
| Total number of fires over $100,000 | 2 | 3 |
| Total property loss | $4,000,000 | $5,000,000 |
| Total insurance loss | $3,000,000 | $4,000,000 |

**Derelict Cars & Unsightly Premises Section**

Approximately 2285 vehicles were hauled to the 17 provincial storage sites by 3 haulers during the year. Approximately 2080 tons of crushed vehicles were shipped from provincial sites, while 1275 tons were shipped from private yards.

Ten (10) buildings were demolished, while another 26 buildings were removed under the Unsightly Premises Program.

| | 1985 | 1986 |
|---|---|---|
| Number of provincial haulers | 4 | 3 |
| Number of provincial storage sites | 16 | 17 |
| Number of private automobile junk yard permits issued | 47 | 44 |
| Cars hauled to provincial storage sites | 2559 | 2285 |
| Crushed cars shipped from province (measured in tons) | | |
| Provincial sites | 2155 | 2080 |
| Private yards | 1213 | 1275 |

## EMERGENCY MEASURES ORGANIZATION

The Emergency Measures Organization has the responsibility of co-ordinating the response of government to either peace or wartime disasters, as well as investigating and reporting all land-based spills of hazardous substances.

In carrying out its mandate to ensure a respondable state of emergency preparedness, EMO promotes the production of both specific and general emergency plans, and carries out exercises to test these plans and the province's emergency response capability.

A Joint Emergency Planning Project, cost-shared with the federal government, enables the Province to test the preparedness of disaster situations through the staging of various types of exercises.

Over the past year EMO has been involved in 15 exercises, such as the Transportation of Dangerous Goods Exercises, Major Motor Bus Collision Exercise, and several tabletop exercises throughout the province. These exercises assist agencies in improving emergency response.

Over the past few years EMO has enlisted a large number of volunteers in the various emergency plans. In order to give these people training, 69 attended the the Emergency Preparedness College in Arnprior, Ontario. Following is a list of courses and seminars sponsored and funded by Emergency Preparedness Canada during the year with the number of people who attended:

| | |
|---|---|
| Plans & Operations (Peace) | 9 |
| Community Emergency Planning (Health) | 15 |
| Community Emergency Planning (Social Services) | 13 |
| Mayors & Elected Municipal Officials | 5 |
| Transportation of Dangerous Goods | 10 |
| Emergency Operations | 2 |
| Exercise Design | 3 |
| Radiological Defence Officers | 2 |
| Instructor, Casualty Simulation | 1 |
| Emergency Site Management | 5 |
| Training & Education Symposium | 2 |
| Federal/Provincial Meeting | 1 |
| Federal/Provincial Training Conference | 1 |
| **TOTAL** | **69** |

The P.E.I. Emergency Measures Organization spearheaded a study on an Integrated Radio Communication System for the province. A consulting firm has also been engaged to carry out a study on what communication equipment is now in use in the province, and what is required to give this province an updated, functional, and modern communications system. This report is scheduled for completion in January, 1987.

**A five year plan was signed with Emergency Preparedness Canada which will assist in the development and maintenance of strategies for Provincial Emergency Preparedness and disaster response throughout the province.**

**A new Provincial Emergency Plan was completed and sent out to each municipality, fire department, police agency, government department, school unit and ambulance service.**

## ENVIRONMENTAL & TECHNICAL SERVICES DIVISION

The Division provides both management and technical services to the public and private sector in executing the environmental programs of the Department.

The division consists of four sections, representing four areas of responsibility: Environmental Operations, Air & Special Wastes, Marine Environment and Water Resources.

### Environmental Operations Section

In April of this year a reorganization within the Environmental & Technical Services Division resulted in the Utility Operations and the Solid Waste Management sections being combined as one unit.

The newly formed Environmental Operations Section has three main areas of responsibility: Solid Waste Management, Wastewater Treatment and Water Supplies. The Section provides a related technical advisory service to other government agencies, the public and to the private sector. Staff provide routine maintenance and operation to all government owned and/or controlled sites related to the disposal of solid waste, wastewater treatment and water supplies for municipalities, industries, institutions, commercial and individual domestic systems. Staff also provide evaluations on solid waste management methods of treatment and final disposal — "cradle to grave", as to what impact they have on the Island environment.

The section is directly responsible for the operation of three regional refuse disposal sites in St. Eleanors, Sleepy Hollow and Cardigan, and six rural refuse container sites in Queens County. Another forty (40) community refuse disposal sites are scattered across the Island serving areas of the province not served by the landfills or the Energy From Waste Plant.

Twenty-five (25) of the sites are managed by Community Dump Committees with funding and technical assistance being provided by the Department. The remaining sites have little or no local involvement and Department staff provide the necessary management.

Approximately 35 complaints involving the use of private dumps for general garbage, manure storage, air contaminant problems and similar environmental problems were investigated. A total of 70 permits were issued under the Disposal Permit System to individuals for special waste treatment and/or disposal at the three regional landfills.

Technical assistance is provided to municipalities, industries, commercial establishments, and other agencies of government with respect to the development, operation, and maintenance of water supply and treatment systems. Technical assistance was also provided to the Building & Development Services Unit for on-site sewage disposal regulations and subdivision approval. In 1986, 114 sites were inspected for advice on existing problems or approval for on-site sewer and water services.

This Section is also responsible for the operation and maintenance of provincially-owned water supplies and some waste treatment facilities. These include industrial water systems at Montague, Georgetown, North Rustico, Alberton South, Egmont Bay, Beach Point, and Souris. The industrial water systems at North Rustico and Georgetown service some non-industrial users as well.

A unique wastewater treatment facility at Cavendish Farms in New Annan was brought on line this year and is expected to properly treat all the wastewater with the by-product methane gas being used to fire two electrical generators. These, in turn, will supply some of the electrical demand at Cavendish Farms.

Staff responded to a number of requests for assistance concerning problems with domestic sewage disposal systems resulting in recommendations being made to repair, upgrade or replace systems. Improper installation and poor maintenance continue to be the main contributing factors in the malfunction of these systems.

Over the past year, 20 septic tank pump truck operators were issued permits for septic tank pumping and sewage sludge disposal. Staff inspected sewage disposal areas as well as investigated complaints of improper waste disposal. The regular disposal of waste sludge from the Charlottetown Area Pollution Control Plant was monitored again this year. In addition, the disposal of sludge from one operation cell at Cornwall was also monitored.

A weekly sampling program was continued during the past year to monitor the performance of 6 municipal and 1 industrial wastewater treatment plant. Seven (7) package treatment plants servicing a school, provincial parks, a mobile home park, and a ferry terminal were also monitored. Inspections of 27 waste stabilization ponds were carried out and a seasonal monitoring program continued on 14 of these.

During July and August of 1986, in association with the Department of Tourism and the Cavendish Tourist Association, a survey of the Cavendish tourist area was conducted to determine areas that have experienced problems with on-site treatment services in the past and to identify areas with a potential for future problems.

A number of plans for extension to existing wastewater treatment systems and/or new systems were submitted and Certificates of Approval were issued.

**Air & Special Waste Section**

One of the results of the reorganization of the Division was to combine the existing air quality management activity with a new initiative to address the growing challenge of managing special and hazardous wastes.

The air quality monitoring function continues to include two federal-provincial joint programs — the National Air Pollution Surveillance program (N.A.P.S.), and the Long Range Transport of Air Pollutants Program (L.R.T.A.P.), which is chiefly concerned with "acid rain".

The Charlottetown N.A.P.S. station samples sulphur dioxide and particulate matter in the ambient air and provides this information to Environment Canada's Nation Wide Air Quality Monitoring Program. Precipitation (rain) samples are also collected for Environment Canada's program to monitor the long term effect of acid rain.

Evaluation of the impact of smoke and dust, etc. emissions from existing and proposed facilities such as asphalt plants and industries is routinely carried out and complaints/reports of problem emissions, malodors and noise are responded to.

Seven (7) Certificates of Approval were issued for temporary asphalt plant locations this year. On the whole, the plants' operations were improved with very few complaints received.

The Section's other major function is to provide a service for the management of "hazardous wastes" — those chemical and other hazardous materials, generated by business, industry and in the home, which because of their toxicity or other dangerous properties, are a hazard to human or natural environment.

The Section co-operated with other government agencies and with industry to develop services to improve waste management. The province continues to improve on its information/reference base on storage, handling and disposal methods, and borrows the expertise of existing services of other provinces and Environment Canada.

An inventory review of the "special waste" generating habits of the province's businesses and industries was carried out this summer. The information will provide direction for future efforts such as the voluntary ban on the disposal of the dry-cleaning solvent, Tetrachlorethylene, in the province which was negotiated with the provinces dry cleaners.

This year there has been an average of two calls per day requesting information or assistance for disposal of dangerous materials. About half the calls require a search for information or pre-disposal treatment of wastes.

**Marine Environment Section**

The objective of the Marine Environment Section programs is to develop management options for the maintenance and restoration of the marine and marginal marine water resources around P.E.I. The Section also has as part of its responsibility the operation of the Community Services Laboratory, the enforcement of the **Sand Removal From a Protected Area Regulations** and the implementation of the **Planning Act Regulations** for the control and management of excavation pits.

Three water quality investigative programs were carried out during the 1986 field season. A detailed investigation of certain physical, chemical and biological characteristics of the West River/Clyde River system was undertaken as part of a federal/provincial co-operative program to evaluate the impact of the major modifications to the New Dominion Causeway on the estuary.

The biweekly monitoring of the water quality in the section of the Vernon River Estuary upstream of the causeway was carried out to evaluate the suitability of the area of salmonid and moluscan aquaculture.

Biweekly monitoring of both Glenfinnan & O'Keefe's lakes was carried out as part of an ongoing program to evaluate the long term effect of the addition of agriculture limestone to the lake water to restore the ph levels to the normal range.

The Federal/Provincial Co-operative Shellfish Growing Area Surveillance Program was active during the summer of 1986. This program is directed specifically toward the evaluation of shellfish growing waters. Growing areas are classified as opened, conditionally opened or closed according to strict water quality standards. Detailed surveys were carried out at Souris River, Little River, West River, and North Lake while sanitary re-appraisals were carried out at Tracadie Bay, New London Bay, Covehead Bay, Brackley Bay, as well as Rustico Bay, and the entire southern portion of Malpeque. A conditional opening program was operated at Mill River during the summer and fall season.

The Community Services Laboratory operated by the Marine Section deals primarily with the chemical and microbiology analysis of water, wastewater and food products.

The following table provides a summary of the number of analyses carried out for each of the user agencies during the year.

| Type of Analysis | Comm. Affairs | Health | Agric. | Milk Marketing | Private |
|---|---|---|---|---|---|
| Water (Microbiological) | 4078 | 4385 | — | — | 739 |
| Water (Chemical) | 3472 | 854 | — | — | 746 |
| Food | — | 188 | — | — | — |
| Dairy Products | — | 1155 | 149 | 386 | 565 |
| Environmental Swabs | — | 406 | — | — | — |
| Waste Water | 4151 | — | — | — | — |
| Soil | 110 | — | — | — | — |

The laboratory was involved in a co-operative program with the P.E.I. Milk Marketing Board to investigate the bacteriological quality as well as the keeping quality of retail milk products from all P.E.I. dairies. The laboratory supervisor attended a two week training course on food microbiology in Ottawa, Ontario.

The extraction of sand from Prince Edward Island for use in the commercial manufacture of concrete showed a slight decline as compared to the 1985 figures. During the year 35 permits were issued at 15 different removal sites across the Island. The estimated quantity removed was 38,000 cubic meters as compared to 40,500 cubic meters for the previous year.

A report of a study to evaluate the cost and availability of fine aggregate from different sources for use by the concrete industry in P.E.I. was completed in March of this year. The estimated increase in cost of concrete to the consumer using fine agregate from both inland and mainland sources was determiend to be less than 10%. For concrete manufacturers in the Summerside area both East Bideford sand and imported mainland sand could be used and would reflect an increase of less than 2% to the consumer.

In the Charlottetown area mainland sand could be used for a similar 2% increase in cost. Concrete manufacture in the Tignish, Montague and Souris area would reflect a 6-10% increase in the cost using non-beach sources of fine aggregate.

The report concluded that inland sources in the East Bideford area and West Bideford area in Western P.E.I. and the Culloden area in Eastern P.E.I. could be available with extensive processing and supplementation. The existing facilities at East Bideford (Mt. Misery) could supply the Summerside and Tignish plants for a modest increase to the consumer. The feasibility of constructing a procesing plant in the Culloden area is questionable. Mainland sand could be used by the major concrete manufacturing plants in Summerside and Charlottetown for less than 2% increase in the cost per metre of concrete to the consumer.

The Excavation Pit Permit Program received increased emphasis during the past year. There are approximately 150 permitted pits in existence in the three counties at the present time. There were two successful prosecutions under the Excavation Pit Regulations during the year.

Twenty three (23) dredge spoil disposal applications were reviewed during the year. A number of on-site inspections of disposal sites were carried out with Public Works Canada.

Staff were active during the year in a number of programs related to shoreline erosion. A number of coastal erosion problems were investigated at the request of property owners. A number of additional erosion monitoring stations were established to bring the total number throughout the province to 43.

Three meetings of the Maritime Standing Committee on Shellfish and several meetings of the P.E.I. Working Group on Shellfish were attended during the year to deal with matters related to the surveillance and classification of shellfish growing areas.

**Water Resources Section**

The protection and management of groundwater and surface water resources in the province is the major objective of this section's activity. Groundwater protection is a vital activity and many of the programs and services of this section are designed to evaluate, develop and protect this important natural resource.

The Winter River Watershed Study continued into its fifth year of investigation. This project is jointly funded with Environment Canada and the Charlottetown Commissioners of Sewer & Water Supply. A draft report on groundwater — surface water interaction in the Winter River has been prepared. Three (3) exploratory wells were deepened to a depth of 152 meters and then tested to determine water availability and flow direction.

Widespread sampling of wells for the pesticide Aldicarb (Temik) was conducted. A total of 314 samples were collected and analyzed at out-of-province laboratories. All private and municipal wells in the province tested for Aldicarb reported acceptable concentrations (less than 9.0 ppb) with the large majority (95%) showing no Aldicarb present.

A co-operative project with the National Water Research Institute of Environment Canada on the underground migration patterns of Aldicarb continued. Observation wells were constructed at two existing sites and at one new site. A progress report was prepared on the results of the previous year's work. This study will continue for at least the next two years and will assist in assessing the environmental fate of this pesticide.

The province took a major step in dealing with the problem of leaking underground petroleum storage tanks with the adoption of the new "Petroleum Storage Tanks Regulations" on September 1, 1986. This completed almost two years of preparation in conjunction with the Atlantic Petroleum Association and the other Atlantic Provinces. The province also signed an agreement for a joint two year program with Environment Canada on the management of underground tanks. Under this program three term employees were hired to assist with implementing the new provincial requirements with the major efforts being expended on tank registration, tank installation, inspection of new tank installations, inspections of existing tank removals and inventory record keeping at retail outlets. Staff of the section attended several meetings (national, regional, and local) in relation to underground tank management. A training course for underground tank installers, the first of its kind in Canada, was held in August in West Royalty.

Statistics Re Federal-Provincial Underground Storage Tank Pilot Project are summarized below

| | |
|---|---|
| Underground Tank Installations Inspected | 46 |
| Underground Tank Removals Inspected | 73 |
| Leaking Underground Tanks Removed | 32 |
| Underground Tank Registration Applications Received | 1100 |
| Underground Tank Registration Applications mailed or delivered | 2200 |
| Underground Tanks Registered | 671 |
| Inventory Record Inspections | 84 |
| Galvanic Monitoring Checks | 37 |
| Registered Tank Installers | 55 |

A total of 57 petroleum spills or leaks were investigated during the year, resulting in 14 wells being contaminated. A total of 16 spills involved underground tank or line leaks.

Water quality monitoring continued at the provincial landfill sites at Cardigan, East Royalty, St Eleanors and Miltonvale Park. No significant changes in water quality were observed. Staff of the section also assisted Environment Canada, Water Quality Branch, with sampling of observation wells at the Charlottetown Airport. Well drilling continued at about the same level as in the previous year. One new well driller commenced business in the Prince County area during the year. Reports of wells going dry or losing capacity were reported in Prince and Queens Counties. This was the result of a trend of below normal precipitation and below normal water levels which had also been experienced in 1985.

Well drilling statistics for the province are summarized below:

| | |
|---|---|
| Well drilling Licenses Issued | 12 |
| Well Permits (for high capacity wells) | 16 |
| Areas Restricted for Well Drilling | 6 |
| Field Inspections of Drillers | 20 |
| Well Drillers Reports Received | 593 |
| Design or Supervision of Pumping Tests | 8 |
| Salt Water Wells | 12 |
| Abandoned Wells Plugged | 7 |
| Abandoned Wells Inspected | 14 |

Municipalities, consultants and private industries were given technical assistance for several water supply projects where high capacity wells were being developed. The Village of St. Eleanors developed a new well with a capacity of 415 Imperial gallons per minute.

A strong interest continued in salt water well development for aquaculture and shellfish culture. A major exploratory program for salt water wells was conducted in Georgetown in conjunction with the P.E.I. Development Agency and the P.E.I. Department of Fisheries. Other locations investigated for salt water wells were: Stanley Bridge, North Granville, Howard's Cove, North Lake, Victoria and Darnley.

The P.E.I. Stream Alteration Advisory Committee, chaired by the Water Resources Section, reviewed 47 applications and issued 23 permits. This review process is designed to ensure that dams, stream crossings and aquaculture projects do not detrimentally effect natural sports fishery habitats.

There was an increased public demand for service under the Well Water Quality Program. Requests for Water Quality Certification (mortgages) were up 160% from the previous year to 1280. The use of in-province laboratories increased by 34%. The use of out-of-province labs increased by 380% mainly due to the demand for Aldicarb analyses. This increase in demand for water quality analysis increased the staff load in terms of field investigations, interpretation of results and recommendations for corrective measures.

| **Samples Collected** | | **1986** |
|---|---|---|
| Bacterial Analyses | | 3356 |
| Routine Chemical Analyses | | 1013 |
| Water Quality Certification (mortgages) | | 1280 |
| Agriculture Research Station Chemical Analyses | | 1010 |
| Public and Private Wells | 790 | |
| Landfill Monitoring | 130 | |
| Surface Water | 90 | |
| Out-of-Province Lab Analysis | | 348 |
| Department of Health Referrals | | 19 |

The major water quality problems were contamination by coliform bacteria (total and faecal), nitrates, chlorides, iron, manganese, petroleum. A total of 134 coliform bacteria counts were discovered during sampling for water quality certification (mortgages). Water Resources Staff continue to sample public water supplies at provincial parks, schools, subdivisions, municipalities, senior citizens housing units and other locations. Staff also provide technical assistance to the Department of Health and Social Services when a bacteriological problem is experienced at a public establishment. Staff assisted the Department of Health in major sampling program in the North Shore area.

Brief descriptions of some of the major investigations conducted by the section in 1986 follow:

**Charlottetown** — Spill of 74,900 litres of gasoline at a bulk petroleum tank farm. Supervised cleanup of spill and underground exploration and recovery.

**O'Leary** — Leak of 22,700 litres of gasoline from an underground petroleum storage tank. Supervised cleanup and underground recovery operation.

**Charlottetown** — Leak of 7,760 litres of gasoline from an underground petroleum storage tank. Supervised cleanup and underground recovery operation.

**Montague** — Supervised spill cleanup as a result of a loss of 1,300 litres from an above ground storage tank. Also supervised reconstruction project for entire bulk plant operation.

**Victoria** — Two wells contaminated with coliform bacteria. Wells disinfected and problem did not reoccur.

**Morell Rear** — Three wells having a taste problem from an unidentified source.

**Marie** — One well contamined by total and faecal coliform bacteria. Suspected source was an earth piggery manure pit. One abandoned well was plugged.

**Montague** — A senior citizen's home well was contaminated with coliform bacteria. Source was an improper well seal and cap.

**West Point** — Conducted a survey of surface water in a farmer's field due to a loss of three (3) cattle from lead poisoning. Source was found and removed.

**West Royalty** — Two subdivision wells were contaminated by coliform bacteria due to flooded well pits. One well was reconstructed and well pits plugged. An ultraviolet purifier was also installed.

**Canoe Cove** — Two wells contaminated with coliform bacteria. Untraviolet purifiers installed on both wells.

**Cross Roads** — Two wells contaminated with coliform bacteria attributed to poor well construction.

**Wood Islands** — Two wells suplying a motel were contaminated with coliform bacteria attributed to surface water infiltration and/or poor well construction.

**Beach Point** — Four abandoned underground petroleum storage tanks removed.

**Burton** — Two wells contaminated from a line leak at a service station. Two new wells drilled.

**Oyster Bed Bridge** — Three wells with bacterial contamination. Suspected source was a sewage disposal system and improper well construction. One new well drilled.

**Alberton** — Investigation of staining of ice and foul smelling liquid on school grounds and surrounding area. Source was decomposition of plant material (common plantain).

**Spring Valley** — Two wells with bacteriological contamination. Suspected source was a manure lagoon which was repaired and made liquid-tight.

**Summerside** — Gasoline leak from an underground pipeline entered Summerside Harbour. Line was repaired and contaminated material removed.

**Augustine Cove** — Investigated dumping of potatoes onto the shore. Source was found and the farmer advised of proper disposal methods.

**North Cape** — Three wells with high iron and manganese problem due to shallow wells in poorly drained area.

**Wilmot** — Fuel oil spills at two locations. One well contaminated at one location and a cleanup was performed at the other location.

**St. Eleanors** — Fuel oil delivery truck spilled several hundred litres of fuel oil onto two parking lots and along a stretch of roads and streets. Cleanup was supervised.

**O'Leary** — Two wells with high iron and manganese problems. Both wells were reconstructed with 85 feet of casing and better quality water obtained.

**St. Edward** — Two wells with naturally soft water and high sodium concentration. A reverse osmosis unit was installed on one well.

**Carleton Siding** — Three wells with a bacteriological coliform contamination attributed to surface runoff, sewage disposal and improper well construction.

**Murray Harbour** — Well at senior citizens' home experiencing problems with sediment, iron and manganese. Plumbing system alterations improved the situation.

## FISH & WILDLIFE DIVISION

Programs and activities of the Fish & Wildlife Division are directed at providing recreational and economic opportunity through the conservation and protection of wildlife and sport fish resources.

Interest and enjoyment in these renewable resources is shared by the majority of the population. In addition to the obvious importance of fish and wildlife to anglers, hunters and trappers, a 1981 Canada-wide survey determined that 77% of Islanders surveyed enjoyed wildlife in non-consumptive wildlife-related activities such as watching, feeding, studying or photographing wildlife. The survey further determined that 78% felt it was important to maintain abundant wildlife populations.

Collectively, over 20,000 angling, hunting and trapping licenses are purchased annually. This figure does not represent the true participation of anglers and hunters due to a license exemption afforded resident commercial fishermen and their wives, resident farmers and farm labourers and their wives, and individuals under sixteen years of age.

The reports which follow summarize projects and activities in the major program areas of the Division.

### Land Acquisition

In 1986, the Division acquired a 100-acre parcel of wooded-wetland habitat abutting the Everglades DU Impoundement, Martinvale. This parcel will be managed to the benefit of wildlife and sport fish and for use and enjoyment by the public.

### Fisheries

The Division is responsible for the maintenance and management of 90 dam sites in the province. Fishways at three dam sites, Scales, Freetown; Affleck's, Bedeque and Cass's, Covehead were repaired and converted from vertical slot to pool and weir. As well, repairs were made to Gordon's Pond, Montrose while safety railings were installed at Paynter's Pond, Long River and Grigg's Pond, Ellerslie.

A new control structure with fishway and draw-down facility was constructed at the old Miller's Pond site, Wilmot River at Kelvin. Financial and engineering assistance to the project was provided by Ducks Unlimited Canada. In addition, Ducks Unlimited provided financial and engineering assistance in the construction of a new control structure at a newly acquired wetland in St. Georges. Ducks Unlimited also sponsored the construction of a new control structure with fishway at Finlayson's Pond, Point Pleasant, providing migratory fish access to the entire water system upstream of head-of-tide.

In an effort to assess the use of fishways by anadromous fish species, and to provide insight into the timing and strength of upstream movements, fish traps are installed at selected sites on an annual basis. During the year, upstream movements of fish were monitored at Bell's Pond, New Glasgow; Carragher's Pond, Emyvale; Officer's Pond, Suffolk; and Old Maritime Electric Pond, Valleyfield. Timber baffles were installed in ten highway arch culverts to facilitate upstream movement of fish.

The Division co-operated with the P.E.I. Fly Fishermen's Federation in a habitat improvement project on the West River, offering both professional advice and financial support. As well, an access road to a borrow pit was modified in Riverdale to prevent silt from entering the West River from adjoining farmland and highways.

A major project dealing with total habitat improvement was initiated in the Montague River watershed in 1986. A submission to Wildlife Habitat Canada was approved providing necessary funding to establish a demonstration co-operative watershed management project. This is a five-year project with funding from habitat Canada for staffing and related expenses. A Project Manager and two technicians have been engaged and are in the process of undertaking Phase I of the project. This is a unique approach to land management and the co-operation and support of several different government departments and private agencies has been excellent.

In an effort to improve angling opportunity, approximately 6,000 brook trout were released into 9 public dam sites in Queens and Kings Counties through the assistance of the Cardigan Fish Culture Station. As well, stocking levels for rainbow trout for O'Keefe's and Glenfinnan Lakes were maintained at 9,000 and 5,000, respectively, while approximately 8,000 rainbow trout were stocked in three abandoned borrow pits in the Bedford area of Queens County.

The Division continued to support Fisheries and Oceans Canada's salmon enhancement program in the province by providing manpower to assist in the rearing of fish at the Cardigan Fish Culture Station and in the monitoring of returning adult salmon to the Morell River. Fisheries & Oceans Canada continued its programs of semi-natural rearing at Profit's Pond, Bloomfield, and of smolt releases in the Morell and Mill Rivers. Results of the 1985 smolt release in the Morell River proved most encouraging with over 1,000 fish returning from early July through November, 1986.

The Division co-operated with Fisheries and Oceans Canada in collecting brook trout brood stock from the West and Hunter Rivers in an effort to improve the quality of trout at the Cardigan Hatchery, and thus have better quality fish available for future stocking.

In co-operation with Fisheries and Oceans Canada, the Division was involved in a socio-economic survey of resident and non-resident anglers licensed in 1985, as part of a national survey. Preliminary results of the survey indicate that anglers amassed over 300,000 days fishing and spent over $3.7 million directly in pursuit of their sport. Residents and non-residents alike, listed water quality as the single most important factor that contributed to their enjoyment of a day of sportfishing in the province, while the natural beauty of the province and the need to escape from the workday routine ranked second and third, respectively.

**Upland Game**

Habitat management continues on various Division properties across the Island in co-operation with the P.E.I. Forestry Division.

The annual game harvest results were tabulated for the 1985-1986 season. This survey utilized a new sampling base (Firearm Safety Certificate holders) and as a result, the figures are not comparable to previous years' data. In some cases the estimates obtained may be somewhat inflated but they cannot be adjusted at this time on the basis of one year's data. Game harvest surveys provide information on long term population trends, essential to the management of some species. The following table presents game harvest estimates for the past 10 years.

**Game Harvest Estimates 1976-1985**

| Year | Licences Sold Resident | Licences Sold Non-Resident | Ruffed Grouse | Hungrian (Gray) Partridge | Snowshoe Hare | Snipe | Woodcock | Black Ducks | Other Ducks | Canada Geese |
|---|---|---|---|---|---|---|---|---|---|---|
| 1976 | 6,316 | 268 | 16,841 | 3,670 | 32,903 | 722 | 636 | 20,629 | 15,317 | 21,083 |
| 1977 | 6,697 | 414 | 9,290 | 3,450 | 29,940 | 360 | 380 | 15,690 | 12,360 | 16,770 |
| 1978 | 6,848 | 439 | 7,870 | 2,330 | 51,510 | 1,383 | 286 | 20,490 | 13,680 | 11,756 |
| 1979 | 6,261 | 364 | 6,625 | 1,800 | 33,550 | 1,360 | 30 | 13,390 | 10,980 | 12,670 |
| 1980 | 5,864 | 413 | 9,740 | 3,100 | 22,320 | 780 | 150 | 22,690 | 14,110 | 18,310 |
| 1981 | 5,683 | 486 | 8,330 | 2,130 | 18,860 | 1,000 | 270 | 19,660 | 13,260 | 15,270 |
| 1982 | 5,388 | 430 | 11,790 | 2,260 | 17,440 | 600 | 32 | 19,290 | 13,120 | 15,290 |
| 1983 | 5,800 | 493 | 12,100 | 2,640 | 22,510 | 820 | 140 | 20,180 | 12,760 | 14,030 |
| 1984 | 4,846 | 555 | 12,080 | 2,100 | 18,020 | 150 | 130 | 16,840 | 10,710 | 14,290 |
| 1985 | 4,477 | 475 | 15,000 | 2,960 | 23,800 | 460 | 335 | 25,080 | 16,500 | 19,280 |

The co-operative pheasant rearing and release program with the P.E.I. 4-H Council was continued in 1986. Fifteen (15) groups of 3 members each were given approximately 25 pheasants to rear and release. The following 4-H Clubs were involved in the program in 1986: North Shore, Dunstaffnage-Marshfield, Mermaid-Mt. Herbert, Fort Augustus, Winsloe-Brackley, Cloverleaf, Brooklyn-Heatherdale, Lot 16, North River, Albany and St. Ann's.

As in the past, the Earnscliffe Shooting Preserve was provided with technical and financial assistance in its pheasant rearing and release operation. The preserve provides residents and non-residents the opportunity to hunt pheasants under natural conditions.

In 1986, efforts were initiated to assess the possibility of successfully introducing sharptail grouse on P.E.I. A habitat assessment on P.E.I. suggests that these birds could successfully establish themselves here. An attempt was made to acquire birds in Manitoba, however a trapping program by personnel from the University of Manitoba was unsuccessful.

**Waterfowl**

The waterfowl habitat management program consists of the development and enhancement of wetlands for both wildlife habitat and public use. For the past 16 years, Ducks Unlimited (Canada), in co-operation with the Fish and Wildlife Division and private landowners, have developed and improved 90 marshes on P.E.I. totalling 5,705 acres and including 159.7 miles of shoreline. During the year, 3 projects totalling 61 acres and 3.5 miles of shoreline were developed.

The Division continued to sow wild rice seed on newly flooded impoundments and assessment of previous plantings continued.

The waterfowl breeding pair and brood survey was conducted again in 1986. The survey provides an annual index of waterfowl production for wetlands across the province and aids in regulatory management decisions. The survey is conducted co-operatively with the Canadian Wildlife Service, with the Service providing supplementary field crews and data analysis services.

The Division co-operates with the Canadian Wildlife Service and the Atlantic Waterfowl Council in banding waterfowl to determine migration routes, harvest patterns and mortality rates for ducks and geese. Division staff were involved in banding waterfowl that overwinter in the province. The results of this winter banding are summarized below.

**SUMMARY OF P.E.I. WINTER BANDING - (January and February, 1986)**

| Species | Male | Female | Unknown | Total |
|---|---|---|---|---|
| Black Duck | 442 | 128 | 1 | 571 |
| Black X Mallard Hybrid | 2 | - | - | 2 |
| Mallard | 3 | - | - | 3 |

Efforts were also directed at banding locally produced ducks (black ducks, blue-winged teal, green-winged teal, pintail, and ring-necked ducks). A total of 110 local ducks were banded during July and August with the assistance of the Canadian Wildlife Service.

The banding program also includes activities related to migratory birds other than waterfowl. Twenty-seven (27) young ospreys were banded in a continuing effort to gain information on migration patterns and mortality factors for young fledged from Island nest sites. This brings the total number banded over the years to 220. In addition, 3 bald eagles and 4 goshawks were banded in 1986.

Open water around the bays, estuaries, and rivers of P.E.I. provides winter habitat for waterfowl. Post hunting season surveys are conducted in January by states and provinces in the Atlantic flyway to determine the status of waterfowl populations. In mid-January, 1986, 4,740 black ducks, 3,113 goldeyes, and 3,088 mergansers, as well as a number of old-squaw mallards and Canada geese were observed during the mid-winter waterfowl inventory flight.

The Division in co-operation with the Canadian Wildlife Service is developing a provincial waterfowl management plan to conserve and enhance waterfowl populations and their habitat for the benefit of future generations. The first draft of the P.E.I. plan was completed in December.

The breeding status of the woodcock, an important game bird species in eastern North America, is conducted annually throughout its range. Results of Prince Edward Island's survey indicated an increase in the breeding index of 7% over 1986. This conforms to the general pattern in the Maritime Region.

A study to determine the food habits of the double-crested cormorant was continued during the spring and summer of 1986. Collection of samples was limited to inland freshwater areas. The results of the study will be used in determining future management recommendations for this species.

**Furbearers**

Division staff continued to monitor, develop and improve the wild fur industry in the province through trapper education, research and management. Total value of wild fur exported from the province for the 1985-1986 season decreased to $153,212 due mainly to the substantial drop in average fur prices. The following tables summarize the annual wild fur harvest and values since 1971-1972, and the average price and value of fur harvested by species for 1984-1985 and 1985-1986 and deviations from the 10-year average.

## ANNUAL WILD FUR HARVEST AND VALUE IN P.E.I. 1971 THROUGH 1986

| Year | Beaver | Muskrat | Red Fox | Silver Fox | Cross Fox | Raccoon | Mink | Red Squirrel | Weasel | Skunk | Total Value |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1971-72 | Season Closed | 3,639 | 2694* | N/A | N/A | 495 | 328 | 9 | 52 | — | $ 68,153 |
| 1972-73 | Season Closed | 3,183 | 1897* | N/A | N/A | 663 | 422 | 80 | 54 | — | $ 74,274 |
| 1973-74 | 198 | 4554 | 2169* | N/A | N/A | 827 | 472 | 153 | 27 | 2 | $144,695 |
| 1974-75 | 122 | 4364 | 1438* | N/A | N/A | 680 | 479 | 196 | 47 | 14 | $ 69,682 |
| 1975-76 | 91 | 4124 | 1145 | 13 | 27 | 726 | 527 | 206 | 41 | 16 | $104,862 |
| 1976-77 | 342 | 3826 | 1027 | 10 | 24 | 1312 | 537 | 149 | 30 | 11 | $125,935 |
| 1977-78 | 254 | 7986 | 660 | 44 | 88 | 1435 | 815 | 82 | 18 | 1 | $149,402 |
| 1978-79 | 243 | 7257 | 724 | 32 | 96 | 1409 | 911 | 63 | 96 | 5 | $234,026 |
| 1979-80 | 390 | 5788 | 944 | 38 | 119 | 2001 | 805 | 94 | 12 | 26 | $263,429 |
| 1980-81 | 327 | 7661 | 791 | 37 | 91 | 1730 | 944 | 62 | 29 | 7 | $243,343 |
| 1981-82 | 700 | 7563 | 965 | 26 | 119 | 2024 | 909 | 106 | 76 | 17 | $224,777 |
| 1982-83 | 289 | 8527 | 995 | 49 | 119 | 1336 | 635 | 63 | 10 | — | $164,107** |
| 1983-84 | 378 | 9886 | 994 | 46 | 85 | 1119 | 718 | 210 | 15 | — | $195,453** |
| 1984-85 | 476 | 8964 | 1140 | 27 | 85 | 1405 | 1147 | 84 | 45 | — | $210,583** |
| 1985-86 | 485 | 7269 | 892 | 30 | 46 | 1284 | 866 | 57 | 24 | — | $153,212** |

* Included silver and cross phases
** Includes castoreum value

## 1985-86 Prince Edward Island Fur Harvest & Comparisons With Previous Year & 10 Year Average

| | 1985-1986 | | | 1984-85 | | | 10 Year Average 1975-76 thru 1984-85 | | | 1985-86 from 1984-85 | 1985-86 from Year Avg. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Number | Value | Average | Number | Value | Average | Number | Value | Average | | |
| Beaver | 485 | $21,272 | $ 43.86 | 476 | $14,580 | $30.63 | 349.0 | $ 9,796 | $28.07 | +2% | +39% |
| Muskrat | 7269 | 31,547 | $4.34 | 8964 | 51,274 | 5.72 | 7158.2 | 43,575 | 6.09 | -19% | +2% |
| Red Fox | 892 | 46,268 | $51.87 | 1140 | 69,962 | 61.37 | 938.5 | 71,518 | 76.20 | -22% | -5% |
| Silver Fox | 30 | 3,351 | 111.70 | 27 | 4,730 | 175.19 | 32.2 | 4,709 | 146.24 | +11% | -6% |
| Cross Fox | 46 | 3,391 | 73.72 | 85 | 11,367 | 133.73 | 85.3 | 11,168 | 130.93 | -46% | -47% |
| Raccoon | 1284 | 25,192 | 19.62 | 1405 | 27,187 | 19.35 | 1449.7 | 33,787 | 23.31 | -9% | -11% |
| Mink | 866 | 21,355 | 24.66 | 1147 | 31,370 | 27.35 | 494.8 | 16,905 | 34.17 | -24% | +9% |
| Red Squirrel | 57 | 12 | 0.21 | 84 | 34 | 0.40 | 111.9 | 78 | 0.70 | -32% | -49% |
| Weasel | 24 | 27 | 1.13 | 45 | 79 | 1.76 | 37.2 | 38 | 1.02 | -47% | -35% |
| Skunk | - | - | - | - | - | - | 8.3 | 19 | 2.29 | - | - |
| Coyote | 1 | 30 | 30.00 | - | - | - | - | - | - | - | - |
| Total | | $152,445 | | | $210,583 | | | | $191,583 | -27% | -20% |

Three trapper education courses sponsored jointly by the P.E.I. Trappers' Association and the Fish & Wildlife Division were conducted in late October in each county. The courses were aimed at first time trappers. A new course manual developed co-operatively by the Trappers' Association and the Division is scheduled to be available by March, 1987.

Although valuable for fur and, more importantly, for creating valued wetland habitat, beaver populations must be properly managed to prevent over population and subsequent damage to roads, woodlots and agricultural land. Information on sex, age and reproduction is collected annually for beaver harvested, and used in conjunction with population indices and harvest figures, to determine annual trapping seasons. With expected high prices resulting in increased trapping pressure the beaver season for 1986-1987 was delayed by one month in Eastern P.E.I.

During the year Fish & Wildlife personnel continued to co-operate with Department of Transportation and Public Works personnel in the control of beavers at highway-stream intersects throughout the province. 1986 was a busy year in this regard.

A program to help Islanders cope with the province's latest addition to the natural fauna, the coyote, was initiated in 1986. The Fish & Wildlife Division is working with the Department of Agriculture to educate sheep farmers in techniques to mitigate coyote predation. A coyote trapping workshop was conducted in June, 1986, with the assistance of the Nova Scotia Department of Lands and Forests.

**Firearm Safety**

In 1986 there were 20 firearm safety courses conducted on Prince Edward Island. These courses were conducted in community schools, regional high schools (as part of class curriculum) and weekend courses offered prior to the opening of the hunting season.

Of the 603 students who enrolled, 564 successfully completed the course, 23 failed, while 16 failed to write the exam.

A workshop focusing on safe bowhunting was held at CFB Summerside with 31 volunteer instructors in attendance. As a result of this workshop and additional 4 new bowhunters received instruction in P.E.I., qualifying these individuals to hunt big game in other provinces and states.

There was one non-fatal hunting accident in Prince Edward Island in 1986.

**Enforcement**

Enforcement resulted in 68 violations being registered by enforcement staff under the various acts regulating conservation and protection of fish and wildlife in the province. A summary of violations for the past 8 years is presented below.

**VIOLATION SUMMARY FOR THE PERIOD 1979-1986 INCLUSIVE**

| VIOLATION | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 |
|---|---|---|---|---|---|---|---|---|
| Assault Peace Officer | — | — | — | — | — | — | 4 | — |
| Baiting of waterfoul | — | — | — | — | — | 3 | 1 | 7 |
| Discharged firearm within 200 yards of dwelling | — | — | — | — | — | — | — | — |
| Exceeding daily bag limit | — | — | — | 2 | 4 | 1 | 1 | 4 |
| Failure to exhibit beaver carcass | — | — | — | — | — | — | — | 1 |
| Filling sprayer too close to stream | — | — | — | 1 | — | — | 2 | 1 |
| Fishing out of season | 11 | 2 | 16 | 9 | 10 | 2 | 9 | 4 |
| Fishing while suspended | — | — | — | — | — | — | 2 | — |
| Fishing with more than one line | — | 4 | 5 | 5 | 4 | 4 | 4 | 2 |
| Fishing without a licence | 3 | 6 | 27 | 20 | 11 | 5 | 6 | 12 |
| Giving false information | 2 | 3 | 6 | 2 | 2 | 2 | — | 4 |
| Hunting in federal sanctuary | 2 | — | — | — | — | — | — | — |
| Hunting in Wildlife Management Area | — | — | 3 | — | — | — | — | 4 |
| Hunting on Sunday | — | — | 1 | 1 | — | — | 1 | 1 |
| Hunting out of season | 1 | 1 | — | 3 | 1 | 4 | — | 3 |
| Hunting while suspended | — | — | 1 | — | — | — | — | 1 |
| Hunting with more than one shotgun | — | — | — | — | — | — | — | 1 |
| Hunting with unplugged shotgun | — | 2 | 5 | 2 | 3 | 3 | 3 | 3 |
| Hunting without a federal permit | — | 8 | 5 | 3 | 3 | — | — | 1 |
| Hunting without a provincial licence | 1 | 6 | 3 | 7 | 4 | 6 | — | — |
| Illegal excavation pit | — | — | — | — | — | 1 | 2 | 2 |
| Illegal hunting with a .22 rifle | — | — | — | — | — | — | — | — |
| Illegal possession of migratory birds | — | — | — | — | — | — | 1 | — |
| Illegal transport of migratory birds | — | — | — | — | — | 1 | — | — |
| Jigging for sports fish | — | — | — | — | — | 1 | — | 1 |
| Littering highway | 1 | — | — | 1 | 1 | — | — | 2 |
| Load falling from truck | 2 | — | — | — | — | — | — | — |
| Loaded firearm in vehicle | 4 | 1 | 2 | 3 | 3 | 2 | 2 | 6 |
| Molest wildlife | — | — | — | 2 | — | — | — | — |
| Net with no licence | — | — | — | — | — | 1 | — | — |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| No firearm safety certificate | — | — | — | — | — | — | 2 | 2 |
| No fur dealers licence ..... | — | — | — | — | — | — | — | 2 |
| No permits for green hides . | — | 1 | — | — | 1 | 3 | 2 | 1 |
| No tags on snares and traps | — | 1 | 1 | 1 | 2 | 3 | 1 | 1 |
| Not checking traps every 48 hours ..... | — | — | — | 1 | — | — | — | — |
| Obstructing Conservation Officer ..... | — | — | — | 2 | — | 1 | 1 | — |
| Obstructing passage of fish | — | — | 2 | — | — | — | — | — |
| Shipping fur without export permit ..... | — | — | — | — | — | — | 1 | 1 |
| Spearing salmon ..... | — | — | — | — | — | — | — | — |
| Transferring of licence ..... | — | — | — | — | — | — | 1 | — |
| Trapping out of season ..... | 2 | 5 | 1 | 3 | 5 | 4 | 2 | 2 |
| Trapping within 10 ft. of a beaver house..... | — | 2 | 1 | — | — | — | — | — |
| Trapping within a provincial park ..... | — | — | — | — | — | — | — | 1 |
| Trapping without a licence.. | 3 | 1 | — | 1 | 2 | — | — | — |
| Trespassing ..... | 2 | — | — | — | — | — | — | 1 |
| TOTAL | 34 | 43 | 79 | 70 | 56 | 47 | 48 | 71 |